

Sandals

1636

#18

Am. 8/20/01

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,693

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This Raw Listing contains the General Information
Section and up to first 5 pages.

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1 <110> APPLICANT: LUBITZ, Werner
2 JECHLINGER, Wolfgang
3 SZOSTAK, Michael
4 WITTE, Angela
5 <120> TITLE OF INVENTION: NEW SYSTEMS FOR THE REGULATION OF GENE EXPRESSION
6 <130> FILE REFERENCE: 564-9005
7 <140> CURRENT APPLICATION NUMBER: US/09/147,693
8 <141> CURRENT FILING DATE: 1999-02-17
9 <150> EARLIER APPLICATION NUMBER: PCT/EP97/04560
10 <151> EARLIER FILING DATE: 1997-08-21
11 <150> EARLIER APPLICATION NUMBER: DE/196 33 698.8
12 <151> EARLIER FILING DATE: 1996-08-21
13 <160> NUMBER OF SEQ ID NOS: 11
14 <170> SOFTWARE: PatentIn Ver. 2.0
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43 <220> FEATURE:
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66 ttt atg gta cgc tgg act ttg tgg gat acc ctc gct ttc ctg ctc ctg 1188
67 Met Val Arg Trp Thr Leu Trp Asp Thr Leu Ala Phe Leu Leu Leu
68 1 5 10 15
69 ttg agt tta ttg ctg ccg tca ttg ctt att atg ttc atc ccg tca aca 1236
70 Leu Ser Leu Leu Leu Pro Ser Leu Leu Ile Met Phe Ile Pro Ser Thr
71 20 25 30
72 ttc aaa cgg cct gtc tca tca tgg aag gcg ctg aat tta cgg aaa aca 1284
73 Phe Lys Arg Pro Val Ser Ser Trp Lys Ala Leu Asn Leu Arg Lys Thr
74 35 40 45
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78 tta cct tgc gtg tac gcg cag gaa aca ctg acg ttc tta ctg acg cag 1380
79 Leu Pro Cys Val Tyr Ala Gln Glu Thr Leu Thr Phe Leu Leu Thr Gln
80 65 70 75
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99          50          55          60
100 Leu Leu Thr Lys Ile Leu Lys Val Ser Val Glu Glu Phe Ser Pro Ser
101          65          70          75          80
102 Ile Ala Arg Glu Ile Tyr Glu Met Tyr Glu Ala Val Ser Met Gln Pro
103          85          90          95
104 Ser Leu Arg Ser Glu Tyr Glu Tyr Pro Val Phe Ser His Val Gln Ala
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106 Gly Met Phe Ser Pro Lys Leu Arg Thr Phe Thr Lys Gly Asp Ala Glu
107          115          120          125
108 Arg Trp Val Ser Thr Thr Lys Lys Ala Ser Asp Ser Ala Phe Trp Leu
109          130          135          140
110 Glu Val Glu Gly Asn Ser Met Thr Ala Pro Thr Gly Ser Lys Pro Ser
111          145          150          155          160
112 Phe Pro Asp Gly Met Leu Ile Leu Val Asp Pro Glu Gln Ala Val Glu
113          165          170          175
114 Pro Gly Asp Phe Cys Ile Ala Arg Leu Gly Gly Asp Glu Phe Thr Phe
115          180          185          190
116 Lys Lys Leu Ile Arg Asp Ser Gly Gln Val Phe Leu Gln Pro Leu Asn
117          195          200          205
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130          20          25          30
131 Lys Arg Pro Val Ser Ser Trp Lys Ala Leu Asn Leu Arg Lys Thr Leu
132          35          40          45
133 Leu Met Ala Ser Ser Val Arg Leu Lys Pro Leu Asn Cys Ser Arg Leu
134          50          55          60
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155 aggccactga ctagcgataa ctttccccac aacggaacaa ctctcattgc atgggatcat 180
156 tgggtactgt ggggttagtg gttgtaaaaa cacctgaccg ctatccctga tcagtttctt 240
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170 gaat gta aaa cca gta acg tta tac gat gtc gca gag tat gcc ggt gtc 1069
171 Val Lys Pro Val Thr Leu Tyr Asp Val Ala Glu Tyr Ala Gly Val
172 1 5 10 15
173 tct tat cag acc gtt tcc cgc gtg gtg aac cag gcc agc cac gtt tct 1117
174 Ser Tyr Gln Thr Val Ser Arg Val Val Asn Gln Ala Ser His Val Ser
175 20 25 30
176 gcg aaa acg cgg gaa aaa gtg gaa gcg gcg atg gcg gag ctg aat tac 1165
177 Ala Lys Thr Arg Glu Lys Val Glu Ala Ala Met Ala Glu Leu Asn Tyr
178 35 40 45
179 att ccc aac cgc gtg gca caa caa ctg gcg ggc aaa cag tcg ttg ctg 1213
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181 50 55 60
182 att ggc gtt gcc acc tcc agt ctg gcc ctg cac gcg ccg tcg caa att 1261
183 Ile Gly Val Ala Thr Ser Ser Leu Ala Leu His Ala Pro Ser Gln Ile
184 65 70 75
185 gtc gcg gcg att aaa tct cgc gcc gat caa ctg ggt gcc agc gtg gtg 1309
186 Val Ala Ala Ile Lys Ser Arg Ala Asp Gln Leu Gly Ala Ser Val Val
187 80 85 90 95
188 gtg tcg atg gta gaa cga agc ggc gtc gaa gcc tgt aaa gcg gcg gtg 1357
189 Val Ser Met Val Glu Arg Ser Gly Val Glu Ala Cys Lys Ala Ala Val
190 100 105 110
191 cac aat ctt ctc gcg caa cgc gtc agt ggg ctg atc att aac tat ccg 1405
192 His Asn Leu Leu Ala Gln Arg Val Ser Gly Leu Ile Ile Asn Tyr Pro
193 115 120 125
194 ctg gat gac cag gat gcc att gct gtg gaa gct gcc tgc act aat gtt 1453

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198      Pro Ala Leu Phe Leu Asp Val Ser Asp Gln Thr Pro Ile Asn Ser Ile
199              145                      150                      155
200      att ttc tcc cat gaa gac ggt acg cga ctg ggc gtg gag cat ctg gtc      1549
201      Ile Phe Ser His Glu Asp Gly Thr Arg Leu Gly Val Glu His Leu Val
202      160                      165                      170                      175
203      gca ttg ggt cac cag caa atc gcg ctg tta gcg ggc cca tta agt tct      1597
204      Ala Leu Gly His Gln Gln Ile Ala Leu Leu Ala Gly Pro Leu Ser Ser
205              180                      185                      190
206      gtc tcg gcg cgt ctg cgt ctg gct ggc tgg cat aaa tat ctc act cgc      1645
207      Val Ser Ala Arg Leu Arg Leu Ala Gly Trp His Lys Tyr Leu Thr Arg
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209      aat caa att cag ccg ata gcg gaa cgg gaa ggc gac tgg agt gcc atg      1693
210      Asn Gln Ile Gln Pro Ile Ala Glu Arg Glu Gly Asp Trp Ser Ala Met
211              210                      215                      220
212      tcc ggt ttt caa caa acc atg caa atg ctg aat gag ggc atc gtt ccc      1741
213      Ser Gly Phe Gln Gln Thr Met Gln Met Leu Asn Glu Gly Ile Val Pro
214              225                      230                      235
215      act gcg atg ctg gtt gcc aac gat cag atg gcg ctg ggc gca atg cgc      1789
216      Thr Ala Met Leu Val Ala Asn Asp Gln Met Ala Leu Gly Ala Met Arg
217      240                      245                      250                      255
218      gcc att acc gag tcc ggg ctg cgc gtt ggt gcg gat atc tcg gta gtg      1837
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225      Thr Ile Lys Gln Asp Phe Arg Leu Leu Gly Gln Thr Ser Val Asp Arg
226              290                      295                      300
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228      Leu Leu Gln Leu Ser Gln Gly Gln Ala Val Lys Gly Asn Gln Leu Leu
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231      Pro Val Ser Leu Val Lys Arg Lys Thr Thr Leu Ala Pro Asn Thr Gln
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